

# San Francisco Bay Conservation and Development Commission

455 Golden Gate Avenue, Suite 10600, San Francisco, California 94102 tel 415 352 3600 fax 415 352 3606

May 24, 2017

**TO:** John Parrish, Chief of the California Geological Survey

**FROM:** Engineering Criteria Review Board, San Francisco Bay Conservation and Development Commission

**SUBJECT:** Acknowledgement of Outstanding Contributions of California Strong-Motion Instrumentation Program

This memorandum acknowledges the outstanding contributions of the California Strong Motion Instrumentation Program (CSMIP) under the leadership of Program Manager Dr. Anthony Shakal. The program under the advisement of the California Strong-Motion Advisory Council (SMIAC) chaired by Dr. Farzad Naeim and its subcommittees provides major contributions in support of the Safety of Fills Policy No. 3 of the San Francisco Bay Plan. This acknowledgement represents a unanimous recommendation of the Engineering Criteria Review Board of the San Francisco Bay Conservation and Development Commission (BCDC).

*San Francisco Bay Plan* Policy No. 3, concerning Safety of Fills, is implemented with the overview of BCDC. The Bay Plan policy states:

*“To provide vitally needed information on the effects of earthquakes on all kinds of soils, installation of strong-motion seismographs should be required on all future major landfills. In addition, the Commission encourages installation of strong-motion seismographs in other developments on problem soils, and in other areas recommended by the U.S. Geological Survey, for purposes of data comparison and evaluation.”*

For compliance with Policy No. 3, the Engineering Criteria Review Board (ECRB), as an advisory Board to BCDC, has recommended in its review of major fill projects that seismograph installation and maintenance plans be developed and implemented to “provide vitally needed information on the effects of earthquakes on all kinds of soils,” as identified during the ECRB’s review of the project. The ECRB recommends that these plans be developed by the project agencies working with the CSMIP. As a result, the CSMIP with specially appointed Instrumentation Planning Panels involving project managers and representatives of SMIAC,

BCDC, and the ECRB have developed outstanding operational strong-motion seismograph installations for several major projects in and along the margins of San Francisco Bay. These plans are accurately described in "Technical Specification Letters" prepared by CSMIP in cooperation with project managers. These installations are maintained and operated by CSMIP according to the highest standards to ensure vitally needed high-quality strong-motion data are obtained from future infrequent large earthquakes.

The outstanding contributions of the CSMIP and the SMIAC in cooperation with Project Agencies in fulfilling the requirements of the Safety of Fills Policy of the San /Francisco Bay Plan are hereby gratefully acknowledged.

By: Signature on File  
 ROGER BORCHERDT, ECRB Chair

Date: May 24, 2017

cc: California Strong-Motion Instrumentation Advisory Council  
 Farzad Naeim, Ph.D., SE, Esq., Chair

California Strong-Motion Instrumentation Program

Anthony Shakal, Ph.D., Manager

Engineering Criteria Review Board

Roger D. Borchardt, Ph.D., Chair

Robert Battalio, P.E.

Mary Catherine Comerio, Ph.D.

Richard B. Dornhelm, P.E.

Martin Fischer, Ph.D.

James B. French, P.E., G.E.

Lou M. Gilpin, Ph.D., C.E.G.

William T. Holmes, S.E.

Jack P. Moehle, Ph.D.

Frank L. Rollo, P.E., G.E.

San Francisco Bay Conservation and Development Commission Staff

Lawrence J. Goldzband, Executive Director

Bradley McCrea, Regulatory Director

Rafael Montes, Staff Engineer (Senior Engineer)

Jaime Michaels, Chief of Permits